Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/05/2022 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124828	-1	1.19	124757	1.15
Blue	F	SSC	125000	124483	-1	2.36	124982	2.17
Blue	E	FITC	13602	13104	-4	2.27	367	13.27
Blue	D	PE	24891	24503	-2	1.71	582	10.56
Blue	B	PerCP-Cy5-5	33972	33074	-3	2.96	948	14.76
Blue	A	PE-Cy7	22865	22534	-2	5.06	470	30.64
Red	C	APC	47198	46386	-2	2.84	1602	11.55
Red	A	APC-Cy7	26454	25432	-4	3.29	726	11.88
Violet	B	V450	6737	6468	-4	3.43	449	11.31
Violet	A	V500	29317	27992	-5	3.05	953	8.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24025	2.25	559	24	N/A	N/A	Pass
Blue	F	SSC	55996	1.86	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0449	93	Pass
Blue	D	PE	114	37.07	491	5	0.3505	217	Pass
Blue	B	PerCP-Cy5-5	148	41.34	584	5	0.0202	78	Pass
Blue	A	PE-Cy7	78	80.87	628	7	0.0222	5	Pass
Red	C	APC	334	25.78	575	3	0.0278	161	Pass
Red	A	APC-Cy7	135	34.42	552	1	0.0071	1725	Pass
Violet	B	V450	76	45.62	453	3	0.0539	1912	Pass
Violet	A	V500	112	30.94	472	3	0.0282	1022	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.73	-31.66	0.98
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	14.87	13.90 - 20.86	N/A	N/A	29.99	30.23	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 13194

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments